ĝ	th Class 2021	
Math (Science)	Group-II	Paper-
Time: 20 Minutes	(Objective Type)	Max Marke.
Note: Four possible question are go correct, fill that	e answers A, B, (given. The choice w t circle in front of n ink in the answe	which you think is that question
filling two or me that question.	nore circles will resu	ult in zero mark in
1-1- In $\sqrt[3]{35}$, the ra		
(a) 3	(b) $\frac{1}{3}$	
2- H.C.F. of a ² - I (a) a - b √ (c) a ² + ab +	(b) a + b b ² (d) a ² – ab +	 b ²
3- The right bise	ctors of the three s	ides of a triangle
(c) Concurrer	t (b) Collinear nt (d) Parallel es in quadrant:	
4- Point (2, -3) III	(b) II	
(c) III	(d) IV ✓	
5- The product o	$f[x \ y]\begin{bmatrix} 2 \\ -1 \end{bmatrix}$ is:	
	(b) [x - 2y] (d) [x + 2y] r than 10, then	
(a) x≥8	(b) $x \le 10 \checkmark$	
(c) x < 10	(d) $x > 0$	

7.	A point equidistant from the end points of a line
	segment is on its
	(a) Bisector
	(b) Right bisector ✓
	(c) Perpendicular
	(d) Median
8-	Write 4 ^{2/3} with radical sign:
	(a) $\sqrt[3]{4^2}$ (b) $\sqrt{4^3}$
	(c) $-2\sqrt{4^3}$ (d) $\sqrt{4^6}$
9-	log e =, where (e ≈ 2.718).
	(a) 0 (b) 0.4343
-	(c) ∞ (d) 1 ✓
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10-	Adj of $\begin{bmatrix} 1 & 2 \\ 0 & -1 \end{bmatrix}$ is:
	(a) $\begin{bmatrix} -1 & -2 \\ 0 & 1 \end{bmatrix} \checkmark$ (b) $\begin{bmatrix} 1 & -2 \\ 0 & -1 \end{bmatrix}$
	$\binom{(a)}{0} \begin{bmatrix} 0 & 1 \end{bmatrix}^{\vee} \binom{(b)}{0} \begin{bmatrix} 0 & -1 \end{bmatrix}$
	(c) $\begin{bmatrix} -1 & 2 \\ 0 & -1 \end{bmatrix}$ (d) $\begin{bmatrix} -1 & 0 \\ 2 & 1 \end{bmatrix}$
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11-	H.C.F. of $x^2 - 5x + 6$ and $x^2 - x - 6$ is:
	(a) $x - 3\sqrt{(b)} x + 2$
12-	(c) x^2-4 (d) $x-2$
12-	Mid-point of the points (2, 2) and (0, 0) is: (a) $(1, 1) \checkmark$ (b) $(1, 0)$
	(c) $(0, 1)$ (d) $(-1, -1)$
13-	$a^3 + b^3 = $
	(a) $(a - b)(a^2 + ab + b^2)$
	(b) $(a + b)(a^2 - ab + b^2)$
	(c) $(a - b)(a^2 - ab + b^2)$
	(d) $(a - b)(a^2 + ab - b^2)$

14- The value of $log \left(\frac{p}{q}\right)$ is :

- (a) log p log q ✓
- (b) $\frac{\log p}{\log q}$
- (c) log p + log q
- (d) log q log p

15- Factors of a⁴ - 4b⁴ are _____

- (a) (a b), (a + b), $(a^2 + 4b^2)$
- (b) $(a^2 2b^2)$, $(a^2 + 2b^2)$
- (c) (a b), (a + b), $(a^2 4b^2)$
- (d) (a-2b), (a^2+2b^2)

